Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A method for producing a transformed monocot plant, comprising:

introducing a nucleic acid into a monocot plant cell from plant tissue that is green, shiny, nodular and compact as compared to monocot plant callus tissue to produce a transformed plant cell;

culturing the transformed plant cell under dim light of approximately 10 to 30 μE on an incubation medium comprising an auxin and a cytokinin for at least 5 days ~~a time sufficient to promote proliferation and formation of a transformed structure competent to regenerate from said transformed plant cell~~, thereby promoting proliferation and formation of a transformed structure that is competent to regenerate; and

culturing the transformed structure on a regeneration medium to produce the transformed monocot plant.

Claim 2 (Original): The method of claim 1 wherein the auxin is selected from the group consisting of 2,4-dichlorophenoxyacetic acid, dicamba, naphthaleneacetic acid, indoleacetic acid, picloram, 2,4,5-tichlorophenoxyacetic acid and mixtures thereof.

Claim 3 (Original): The method of claim 1 wherein the cytokinin is selected from the group consisting of 6-benzylaminopurine, zeatin, zeatin riboside, kinetin, 2iP, and mixtures thereof.

Claim 4 (Previously Presented): The method of claim 1 wherein the auxin is at a concentration of about 0.1 mg/L to about 5 mg/L.

Claim 5 (Previously Presented): The method of claim 1 wherein the cytokinin is at a concentration of about 0.01 mg/L to about 5 mg/L.

Claim 6 (Previously Presented): The method of claim 1 wherein the incubation medium further comprises copper at a concentration of about 0.1 μM to about 50 μM.

Claim 7 (Previously Presented): The method of claim 1 wherein the incubation medium further comprises a carbon source.

Claim 8 (Previously Presented): The method of claim 1, wherein the auxin is at a concentration of about 0. 1 mg/L to about 5 mg/L and the cytokinin is at a concentration of about 0. 1 mg/L to about 5 mg/L; and the incubation medium further comprises copper at a concentration of about 0. 1 μM to about 50 μM, and maltose.

Claim 9 (Canceled)

Claim 10 (Original): The method of claim 1 further comprising selecting for the transformed plant cell by incubating the plant cell on a growth medium comprising a selective agent.

Claim 11 (Previously Presented): The method of claim 1 wherein the step of introducing the nucleic acid comprises bombardment of the plant cell with microprojectiles coated with the nucleic acid.

Claim 12 (Original): The method of claim 11 wherein bombardment is performed at below 1300 psi.

Claim 13 (Previously Presented): The method of claim 12 wherein bombardment is performed at about 900 to about 1100 psi.

Claim 14 (Canceled).

Claim 15 (Currently Amended): The method of claim ~~14~~ 1 wherein the monocot~~yledoneus~~ plant is selected from the group consisting of barley, oat, wheat, maize, rice, sorghum, orchardgrass, tall fescue, red fescue, creeping bentgrass and Kentucky bluegrass.

Claim 16 (Original): The method of claim 15 wherein the barley is selected from the group consisting of Golden Promise, Galena, Harrington, Morex, Moravian III, and Salome.

Claim 17 (Original): The method of claim 15 wherein the wheat is selected from the group consisting of Bobwhite, Anza, Yecora Rojo and Karl.

Claim 18 (Original): The method of claim 15 wherein the maize is H99 or B73.

Claim 19 (Original): The method of claim 15 wherein the rice is Taipei 309.

Claim 20 (Original): The method of claim 15 wherein the orchardgrass is Rapido.

Claim 21 (Original): The method of claim 15 wherein the tall fescue is Ky 31.

Claim 22 (Original): The method of claim 15 wherein the red fescue is 43F-93.

Claim 23 (Original): The method of claim 15 wherein the creeping bentgrass is Putter.

Claim 24 (Original): The method of claim 15 wherein the Kentucky bluegrass is Kenblue.

Claim 25 (Currently Amended): A method of preparing green, shiny, nodular, compact ~~regenerative~~ tissue from a monocot plant comprising:

incubating monocot plant tissue on a growth medium under dim light of approximately 10 to 30 μE for at least five days ~~sufficient time~~ to produce green, shiny, nodular, compact ~~regenerative~~ tissue as compared to monocot plant callus tissue, wherein the growth medium comprises auxin at a concentration of about 0.1 mg/L to about 5 mg/L, cytokinin at a concentration of from 0.00 mg/L to about 2 mg/L, copper at a concentration of about 0. 1 μM to about 50 μM, and a carbon source.

Claim 26 (Original): The method of claim 25 wherein the auxin concentration is about 1 mg/L to about 2.5 mg/L and the cytokinin concentration is about 0.01 mg/L to about 0.5 mg/L.

Claim 27 (Original): The method of claim 25 wherein the auxin concentration is about 1 mg/L to about 2.5 mg/L, and the cytokinin is about 0.1 mg/L to about 2 mg/L.

Claim 28 (Original): The method of claim 25, wherein the auxin is selected from the group consisting of 2,4-dichlorophenoxyacetic acid, dicamba, naphthaleneacetic acid, indoleacetic acid, picloram, 2,4,5-trichlorophenoxyacetic acid and mixtures thereof, and the cytokinin is selected from the group consisting of zeatin, BAP, and mixtures thereof.

Claim 29 (Original): The method of claim 25 wherein the plant tissue is callus derived from an immature embryo or a mature seed.

Claim 30 (Original): The method of claim 29 wherein the immature embryo is an immature zygotic embryo.

Claim 31 (Original): The method of claim 29 wherein the callus is produced by a method comprising incubating the immature embryo on a callus-induction medium comprising auxin at a concentration of about 0. 1 mg/L to about 5 mg/L, cytokinin at a concentration of from 0.0 mg/L to about 2 mg/L, copper at a concentration of about 0. 1 μM to about 50 μM and a carbon source.

Claim 32 (Currently Amended): A method of producing green regenerative monocot plant tissue comprising:

germinating a monocot seed on a callus-induction medium comprising auxin at a concentration of about 0. 1 mg/L to about 5 mg/L, cytokinin at a concentration of from 0.0 mg/L to about 2 mg/L, copper at a concentration of about 0.1 μM to about 50 μM, and a carbon source, thereby allowing root and shoot formation;

excising and discarding the root and shoot from the germinating seed to produce a remaining portion of the germinating seed;

incubating the remaining portion of the germinating seed under dim light of approximately 10 to 30 µE for at least five days; and

selecting green, shiny, nodular, compact structures as compared to the surrounding tissue that form on the remaining portion of the germinating seed to produce green regenerative monocot plant tissue.

Claim 33 (Canceled).

Claim 34 (Currently Amended): The method of claim ~~33~~ 32 wherein the monocotyledonous plant is selected from the group consisting of barley, oat, wheat, maize, rice, sorghum, orchardgrass, tall fescue, red fescue, creeping bentgrass and Kentucky bluegrass.

Claim 35 (Currently Amended): A method for regenerating a monocot plant from monocot plant tissue, comprising:

incubating monocot plant tissue on a growth medium under dim light of approximately 10 to 30 μE for at least five days ~~sufficient time~~ to produce green, shiny, nodular, compact ~~regenerative~~ tissue as compared to monocot plant callus tissue, wherein the growth medium comprises auxin at a concentration of about 0. 1 mg/L to about 5 mg/L, cytokinin at a concentration of from 0.0 mg/L to about 2 mg/L, copper at a concentration of about 0.1 μM to about 50 μM and a carbon source; and

transferring ~~the regenerative~~ the green, shiny, nodular, compact tissue to a regeneration medium and

incubating the tissue so as to produce a monocot plant.

Claim 36 (Original): The method of claim 35 wherein the carbon source comprises maltose or sucrose.

Claim 37 (Original): The method of claim 35 wherein the auxin is selected from the group consisting of 2,4-dichlorophenoxyacetic acid, dicamba, naphthaleneacetic acid, indoleacetic acid, picloram, 2,4,5-trichlorophenoxyacetic acid and mixtures thereof.

Claim 38 (Original): The method of claim 35 wherein the cytokinin is selected from the group consisting of zeatin, BAP and mixtures thereof.

Claim 39 (Original): The method of claim 35 wherein the plant tissue is callus derived from an immature embryo or a mature seed.

Claim 40 (Previously Presented): The method of claim 35 further comprising introducing a nucleic acid into at least one cell of the green regenerative tissue to produced transformed tissue.

Claim 41 (Previously Presented): The method of claim 40 further comprising selecting the transformed plant tissue on a growth medium comprising a selective agent.

Claim 42 (Previously Presented): The method of claim 7 wherein the carbon source is maltose or sucrose.